



1/23

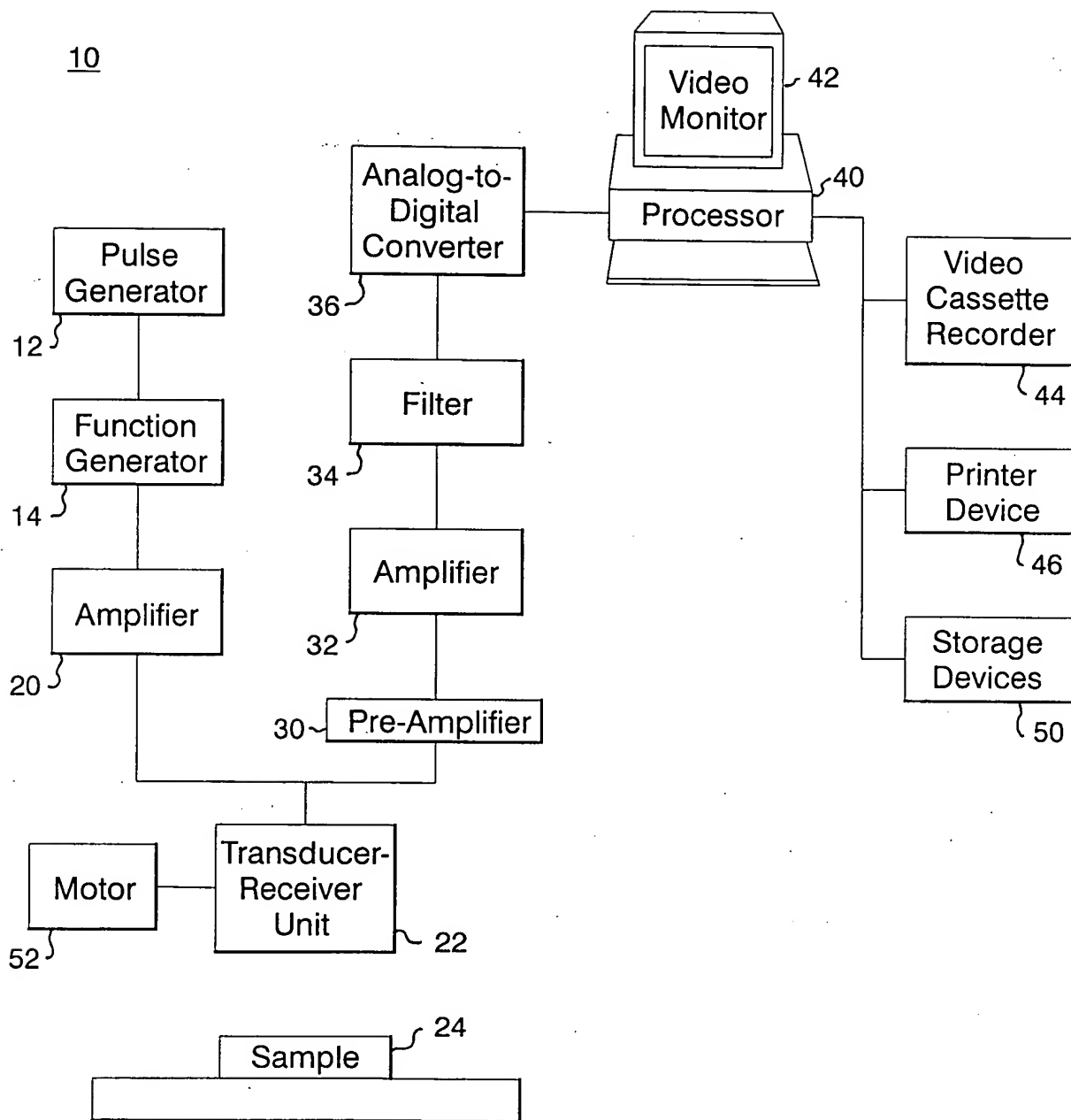


Figure 1

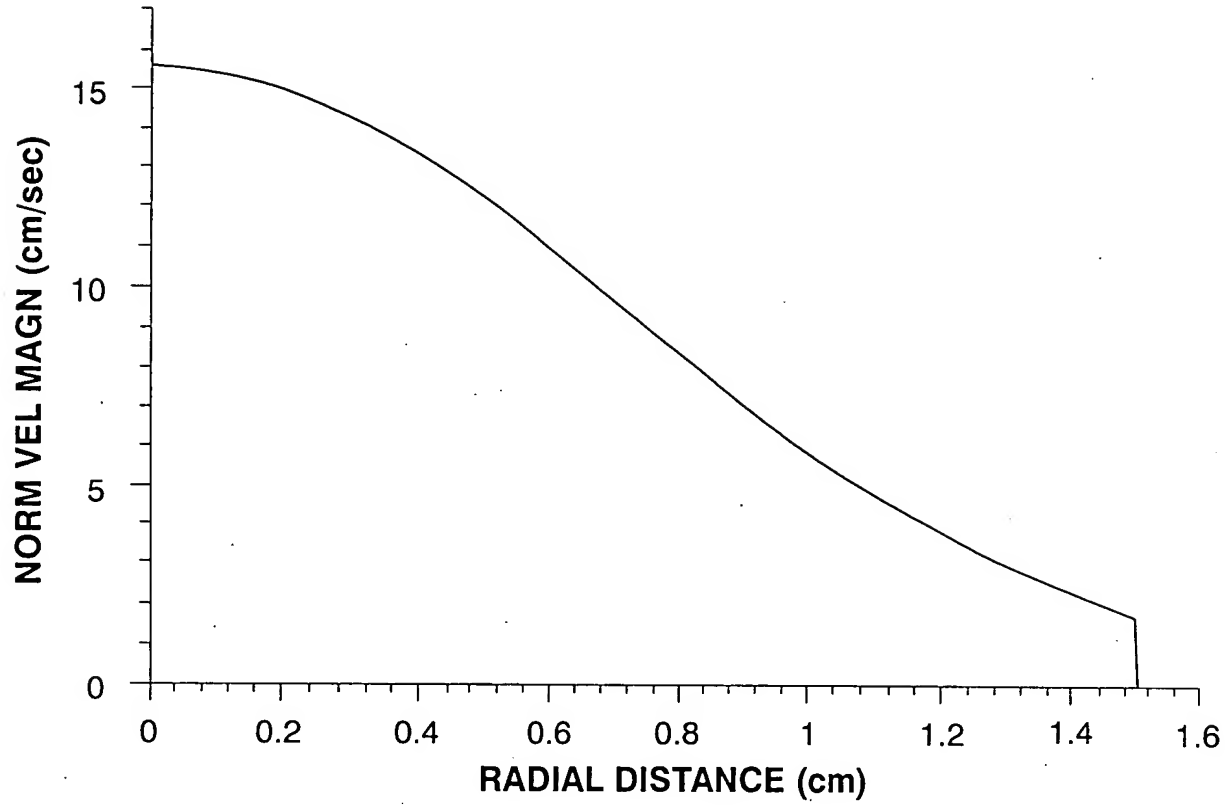


Figure 2a

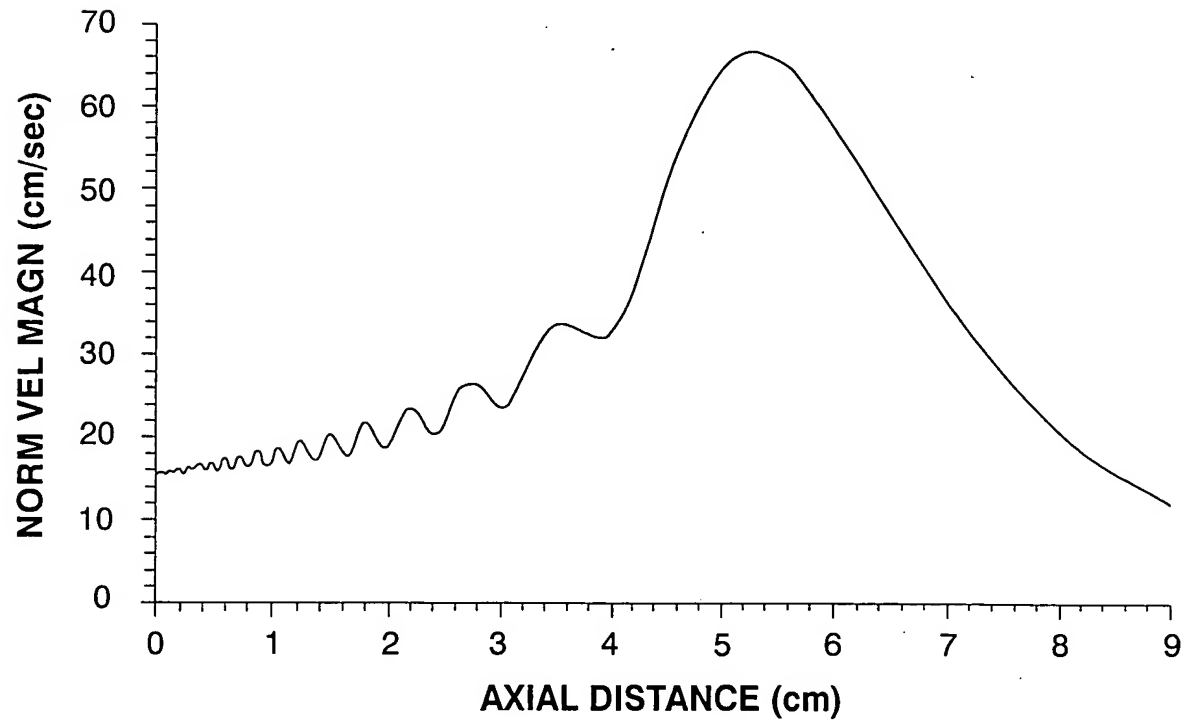


Figure 2b

3/23

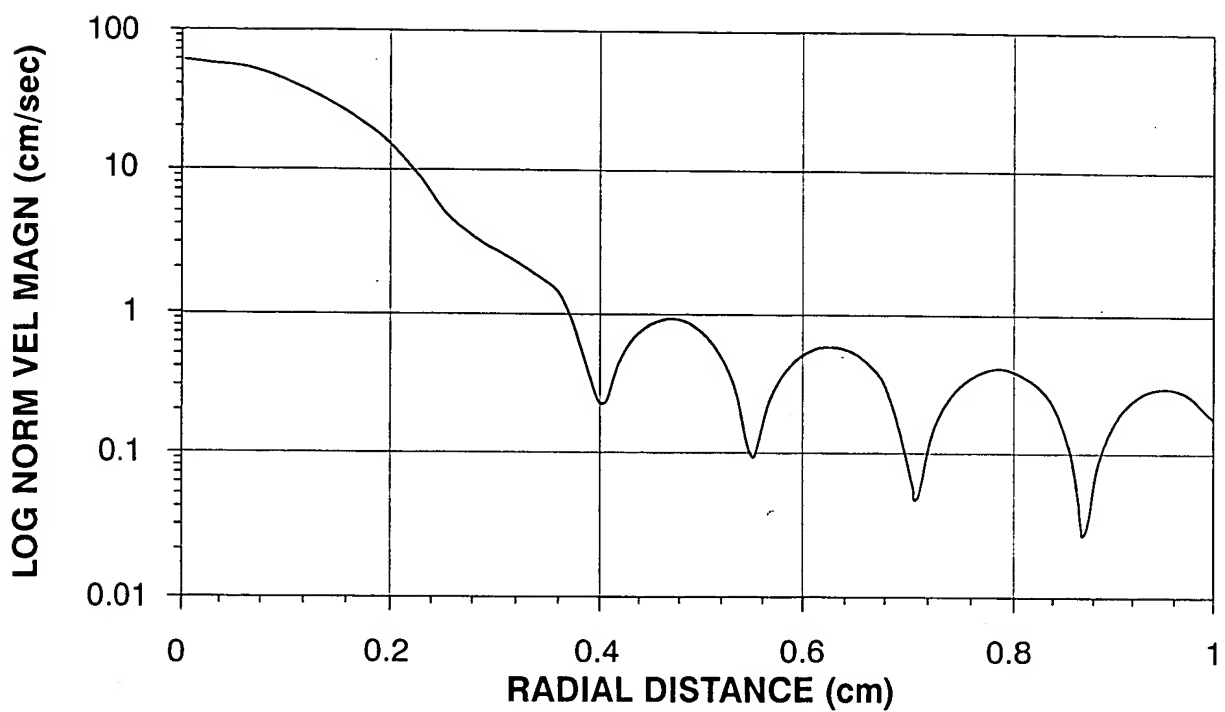


Figure 2c

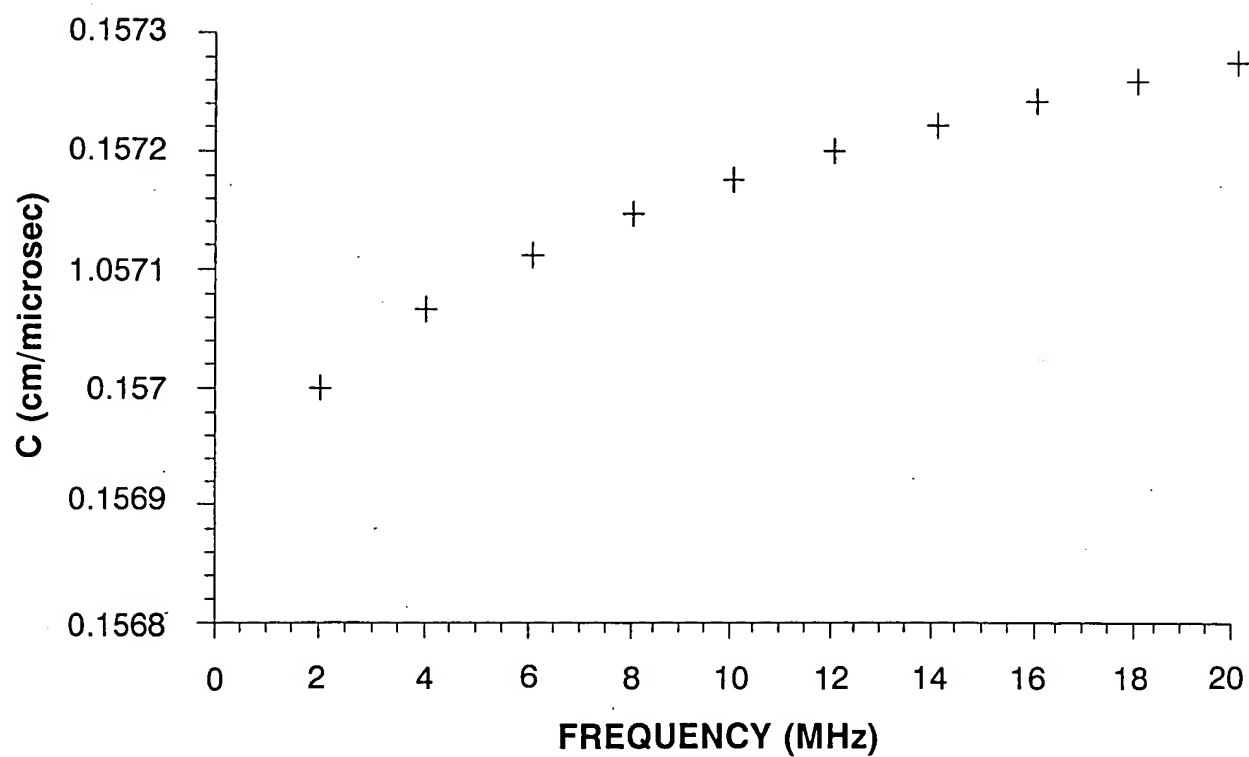


Figure 3

4/23

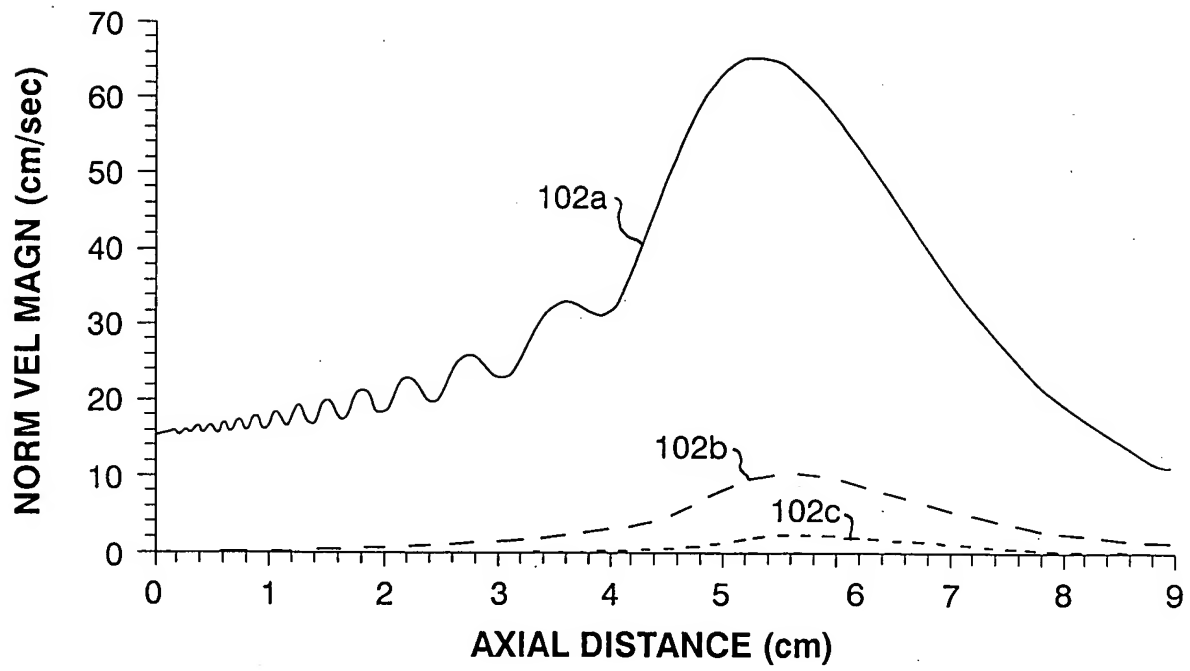


Figure 4a

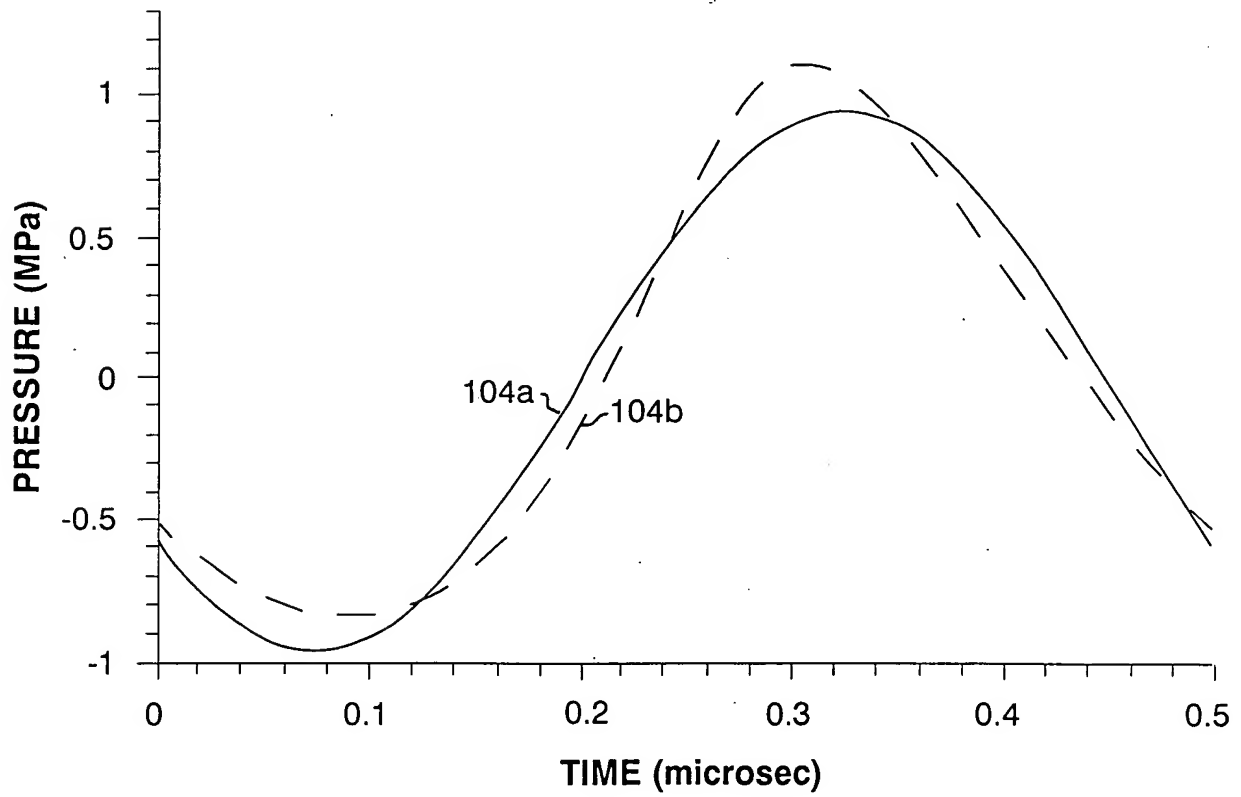


Figure 4b

5/23

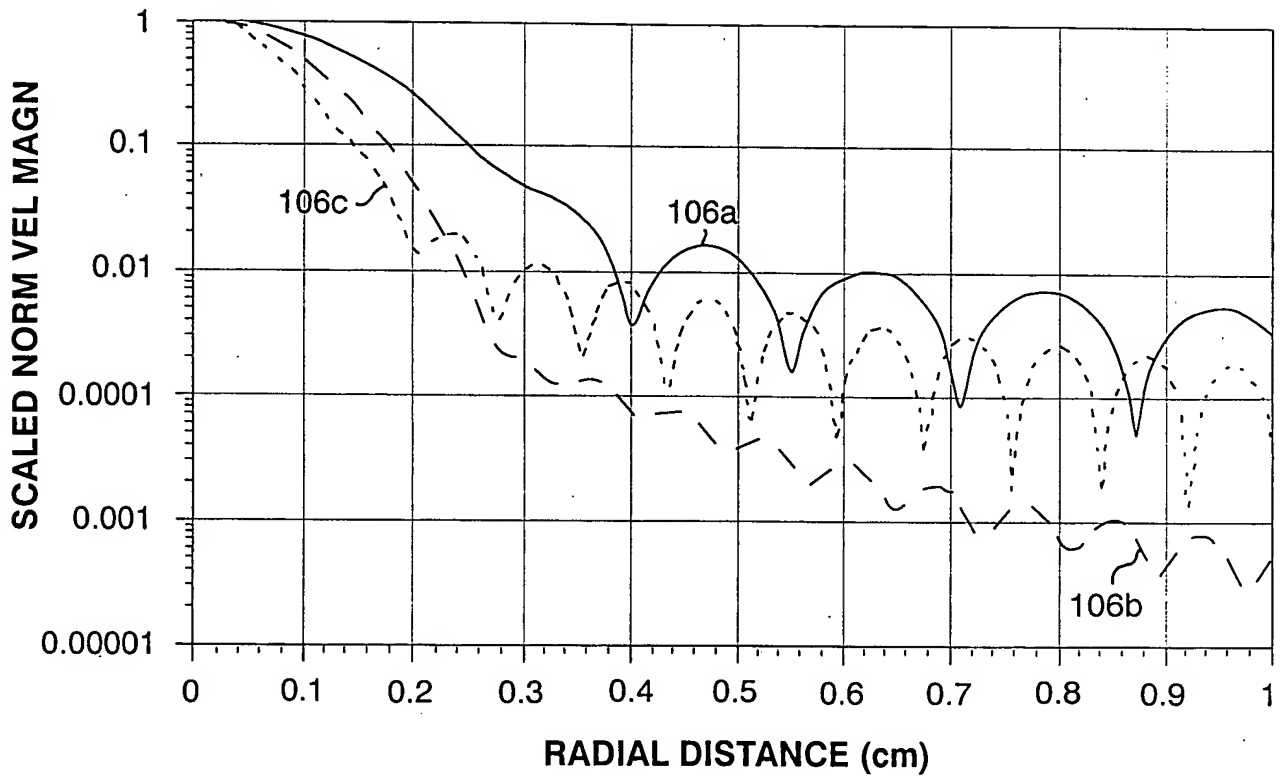


Figure 5a

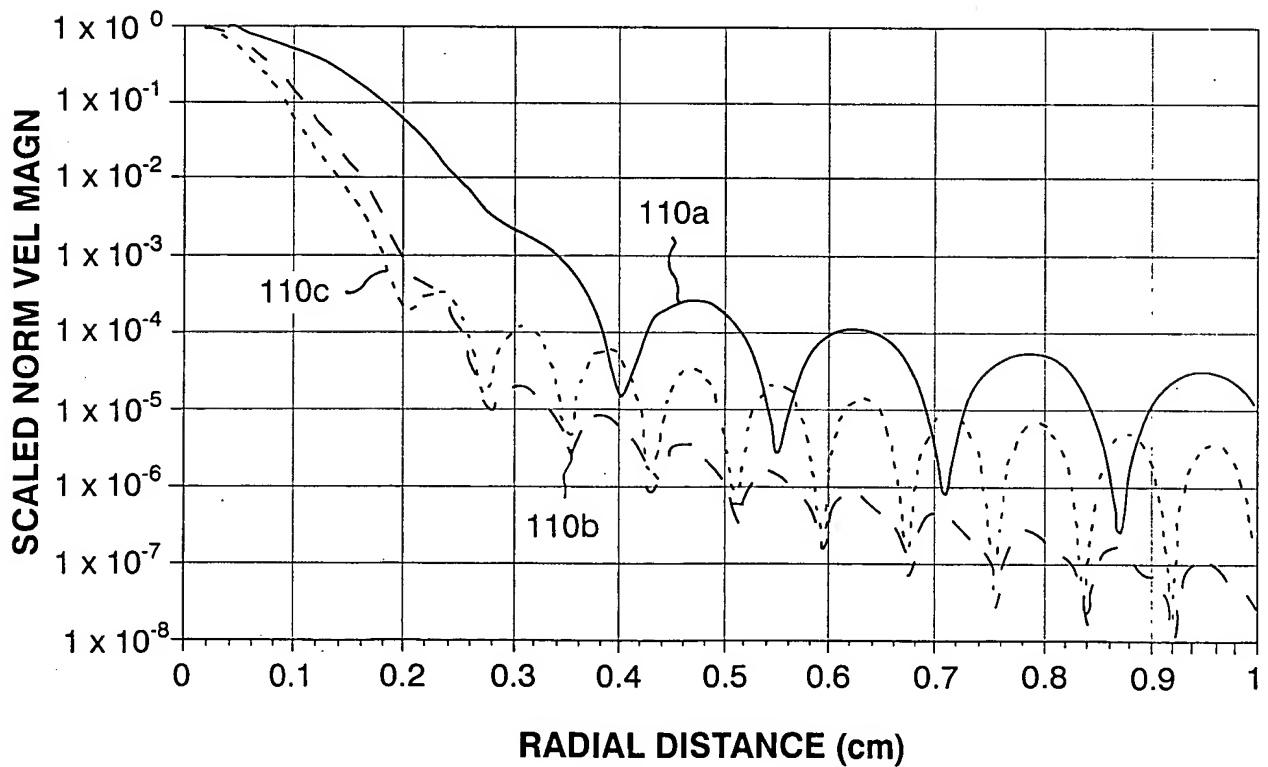


Figure 5b

6/23

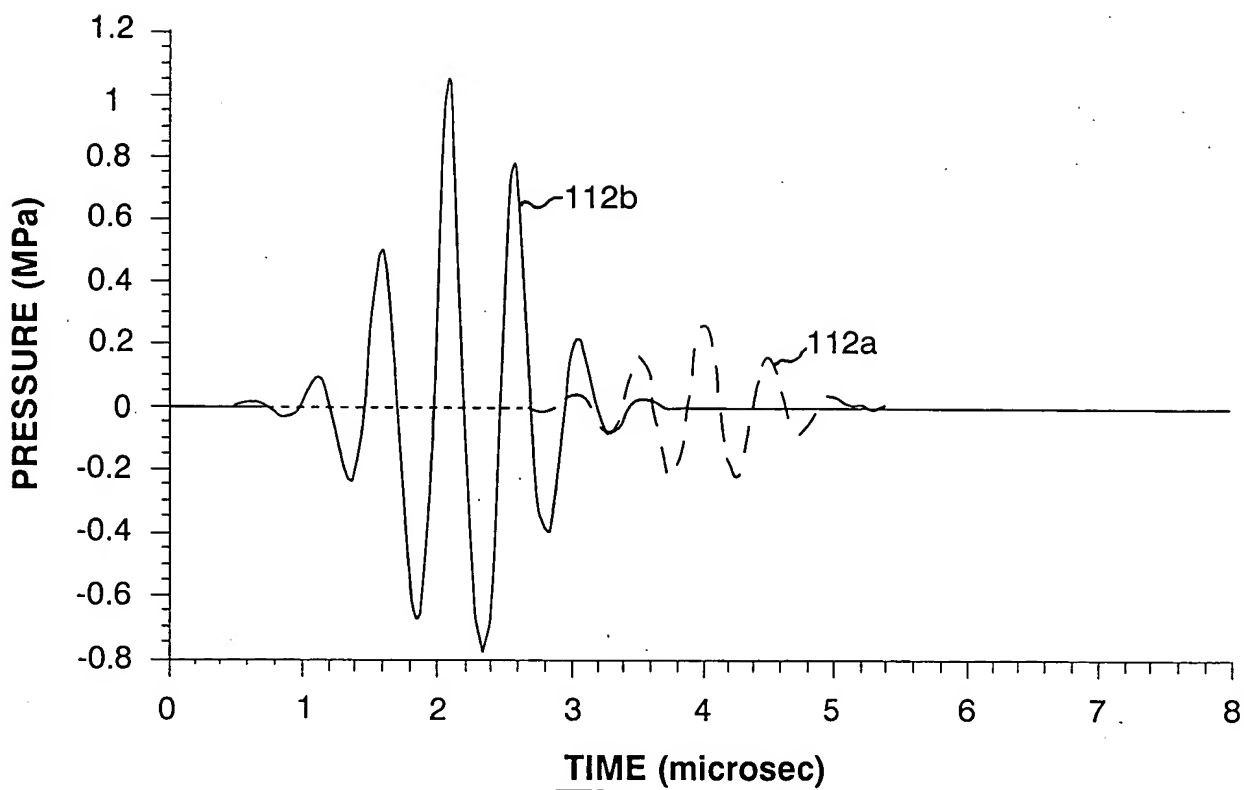


Figure 6a

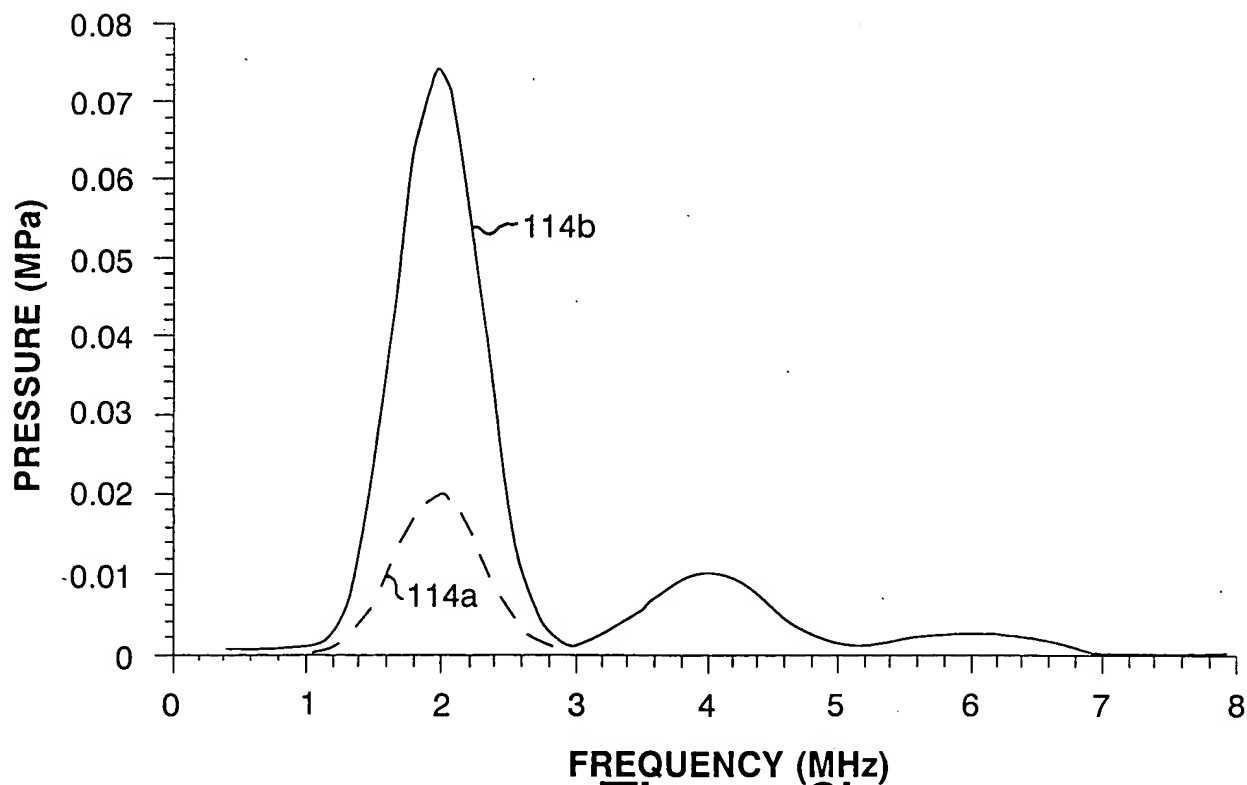


Figure 6b

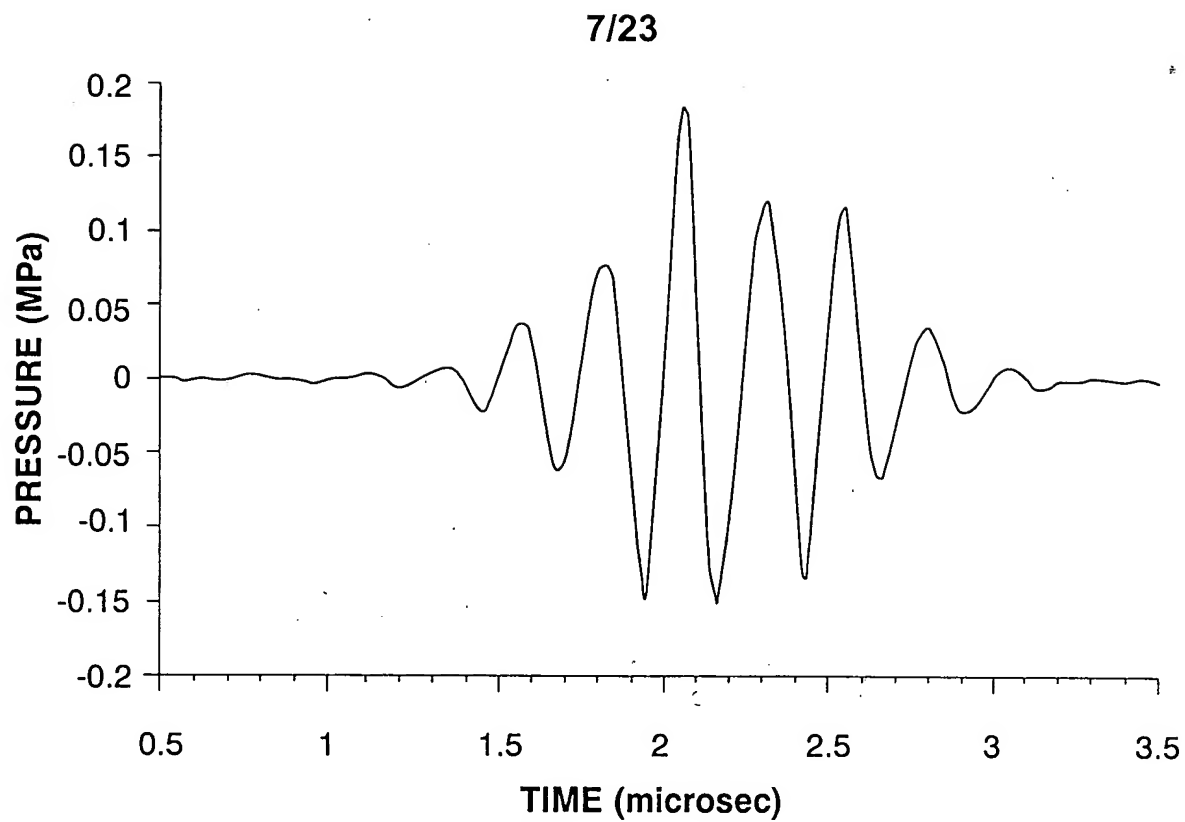


Figure 6c

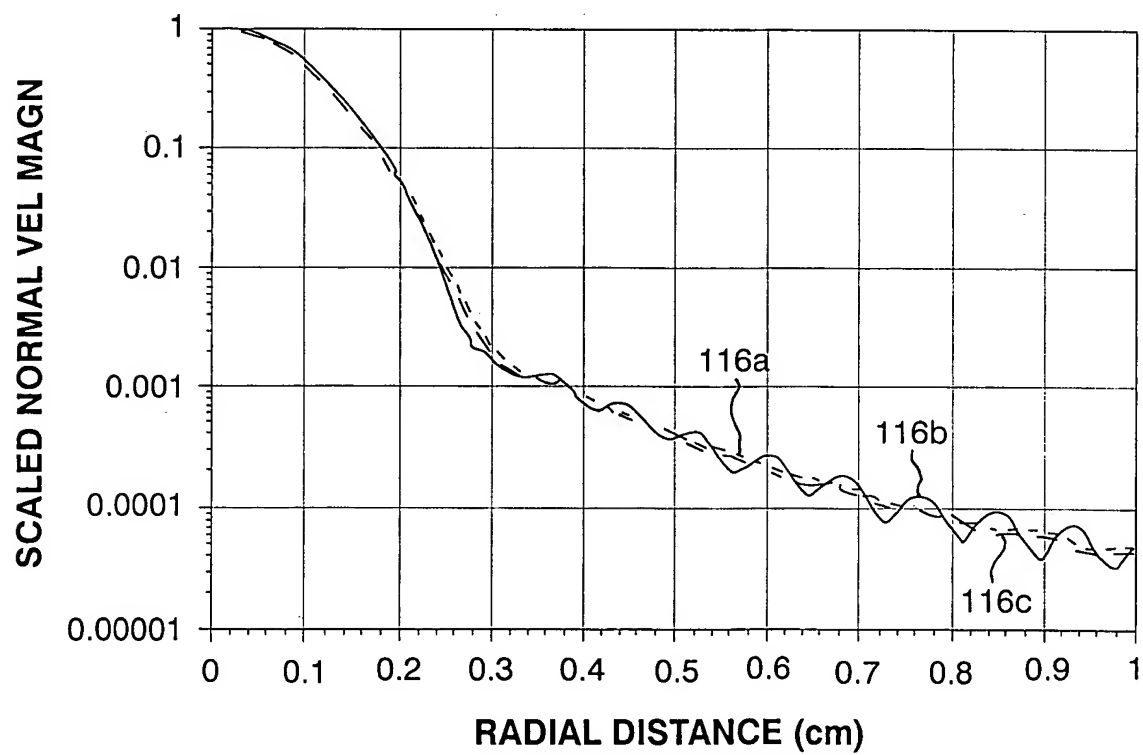


Figure 7

On-axis Source intensity (RMS w/cm <sup>2</sup> )	Received 2 <sup>nd</sup> harmonic level (dB)	Received 3 <sup>rd</sup> harmonic level (dB)	Minimum pressure at the geometric focus (Mpa)	Mechanical Index (min. press.sqrt(f))
0.5	26.54	50.88	-0.45	0.32
1	23.64	45.02	-0.61	0.43
2	20.73	39.23	-0.84	0.59
4	17.94	33.66	-1.13	0.80
8	15.37	28.59	-1.50	1.06

Figure 8

Focal length (cm)	2 <sup>nd</sup> harmonic level at the focus (dB)	Received 2 <sup>nd</sup> harmonic level (dB)
4	15.99	19.75
6	15.11	20.73
8	15.01	22.53
10	15.29	24.69
12	15.83	27.07

Figure 9



9/23

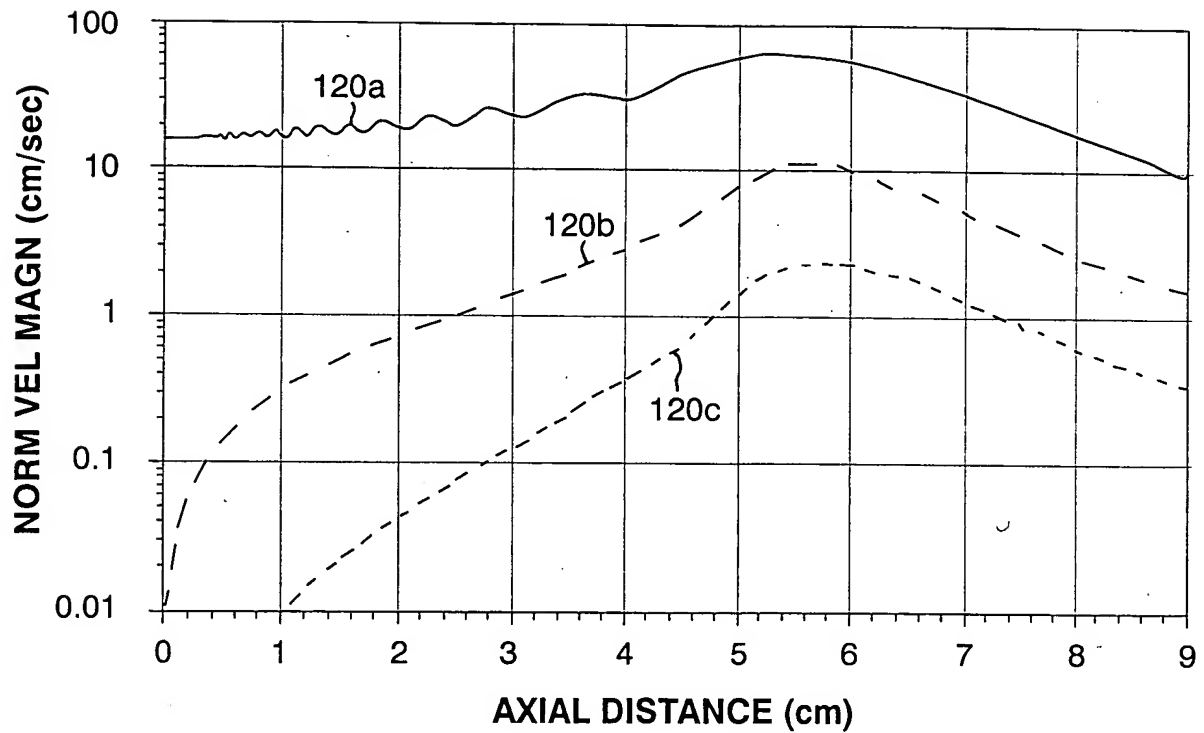


Figure 10a

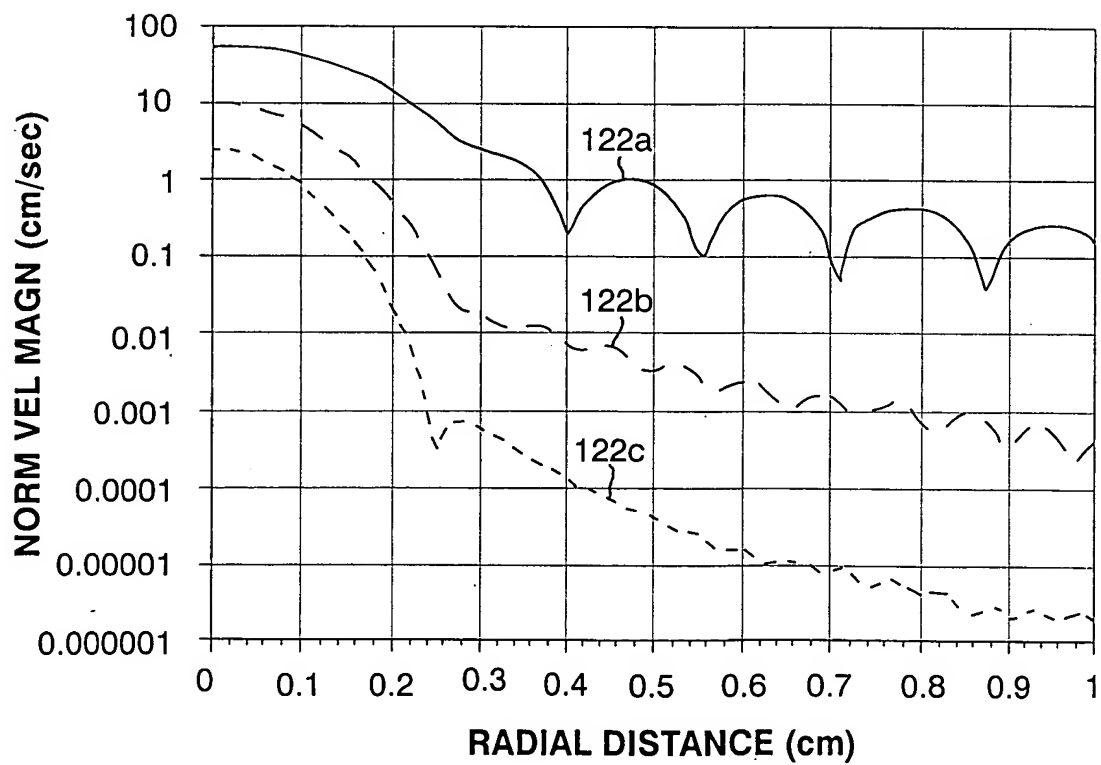


Figure 10b

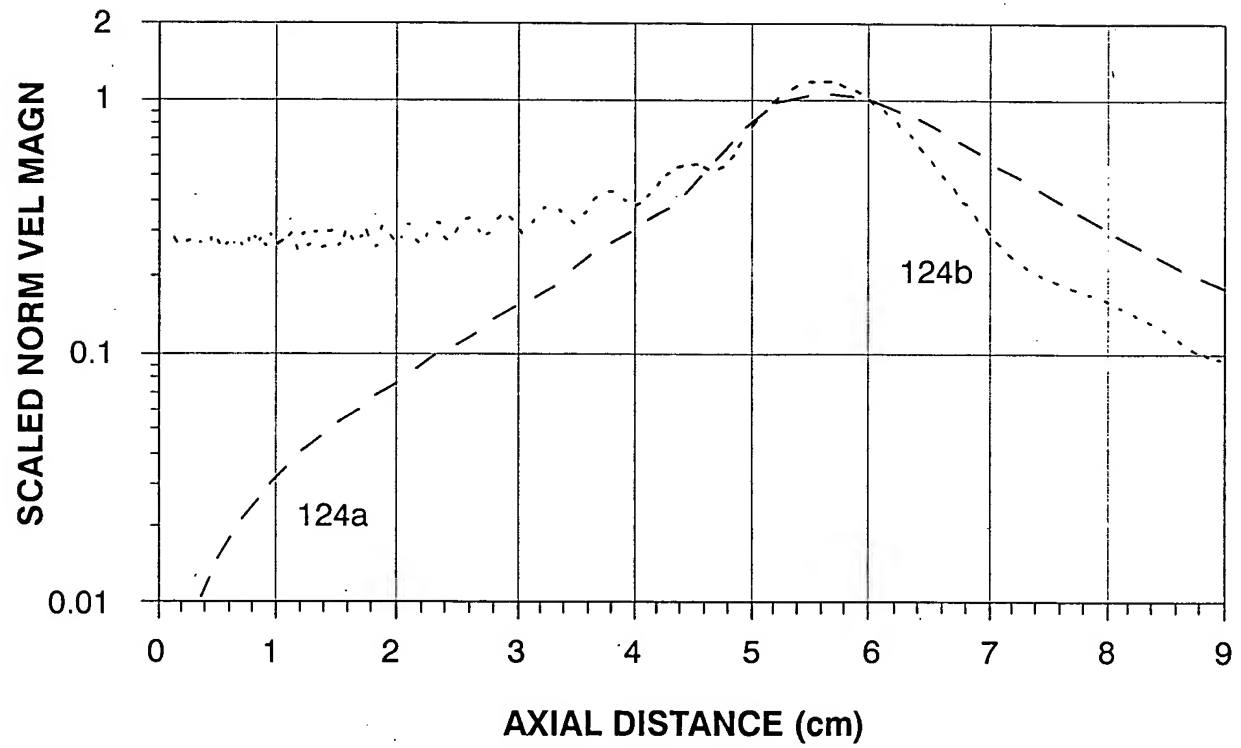


Figure 11

11/23

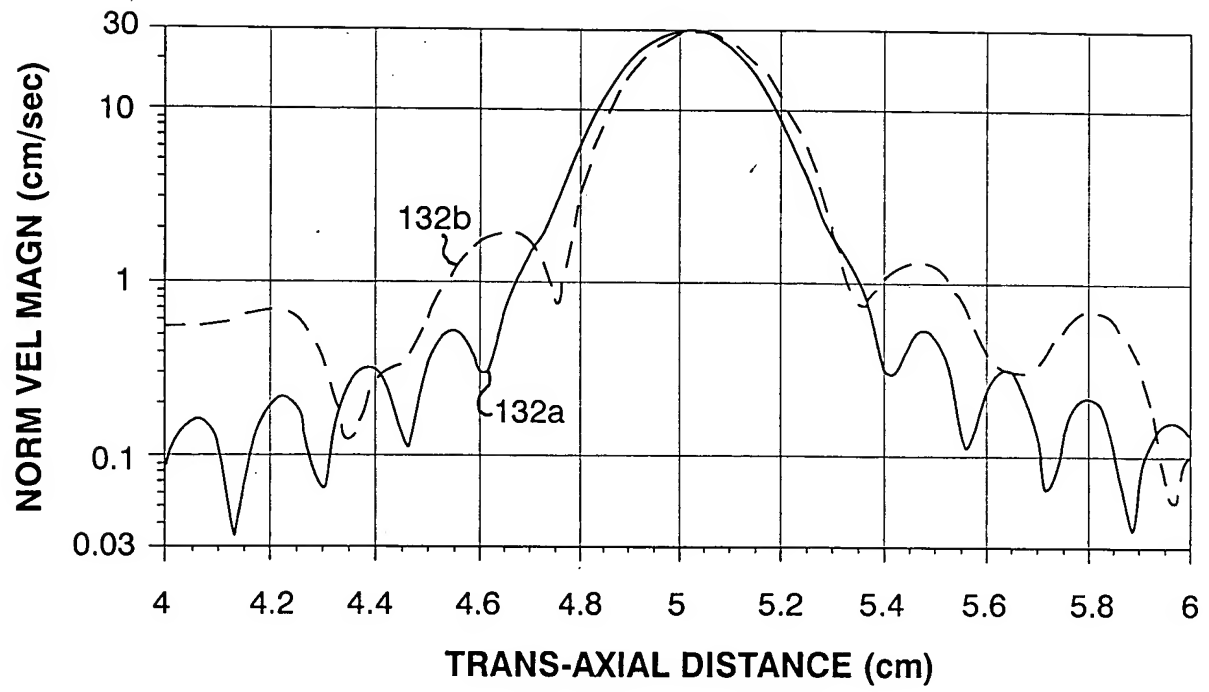


Figure 12a

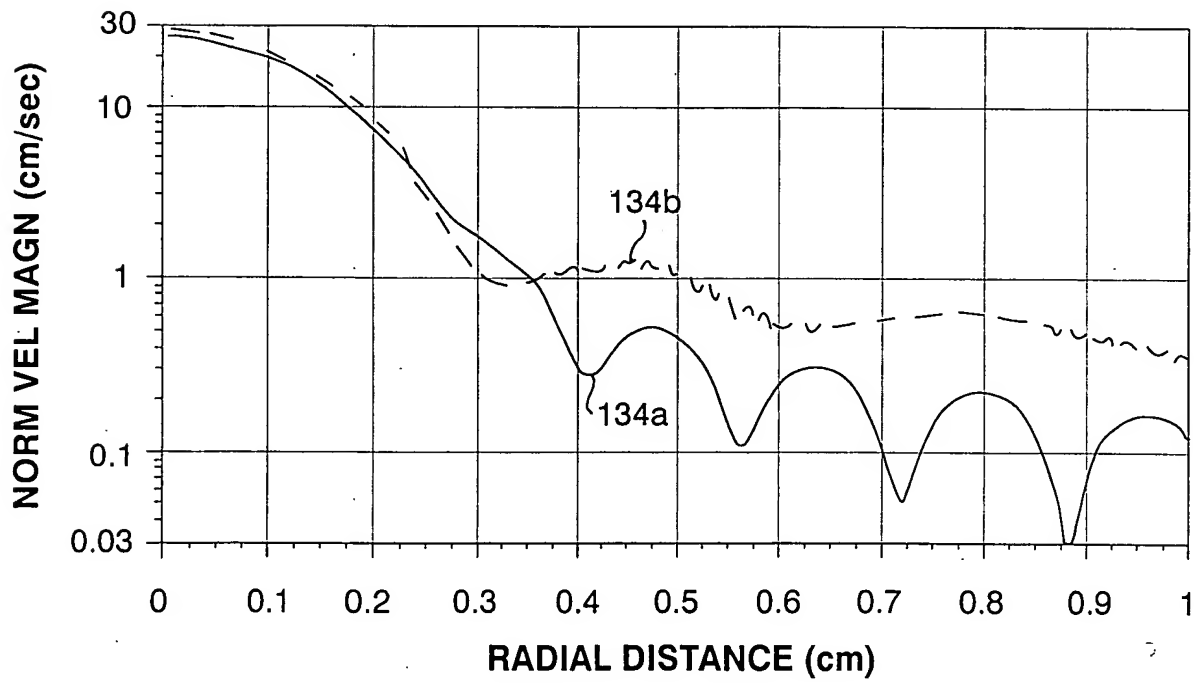


Figure 12b

12/23

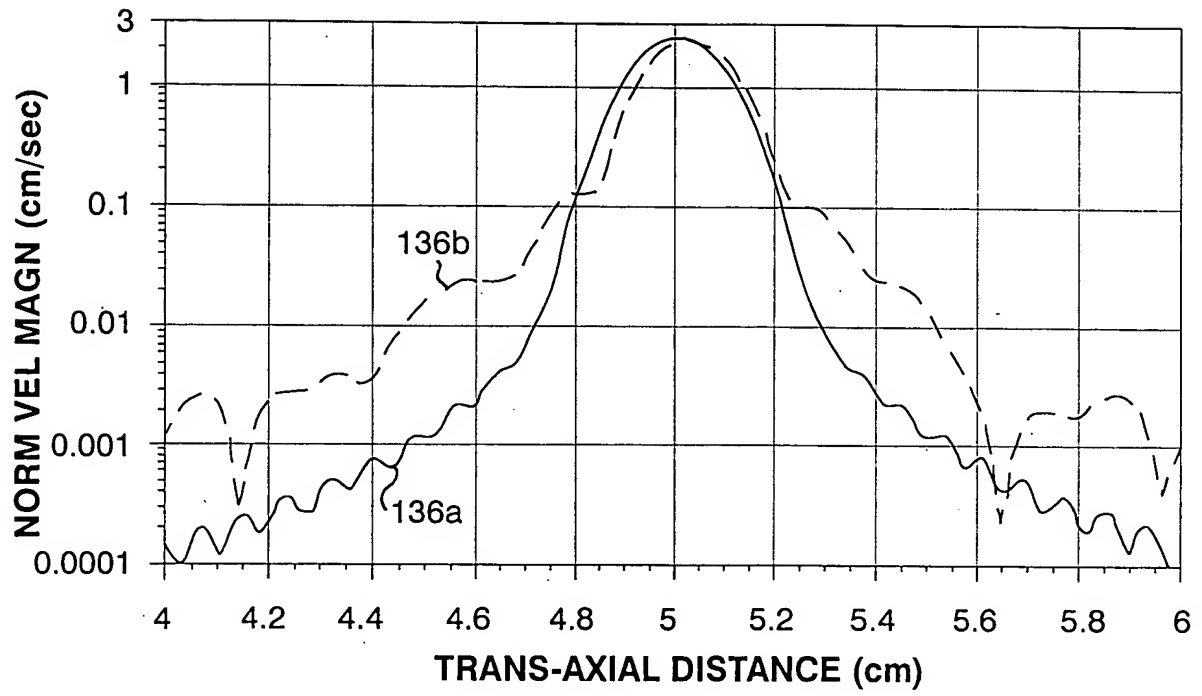


Figure 12c

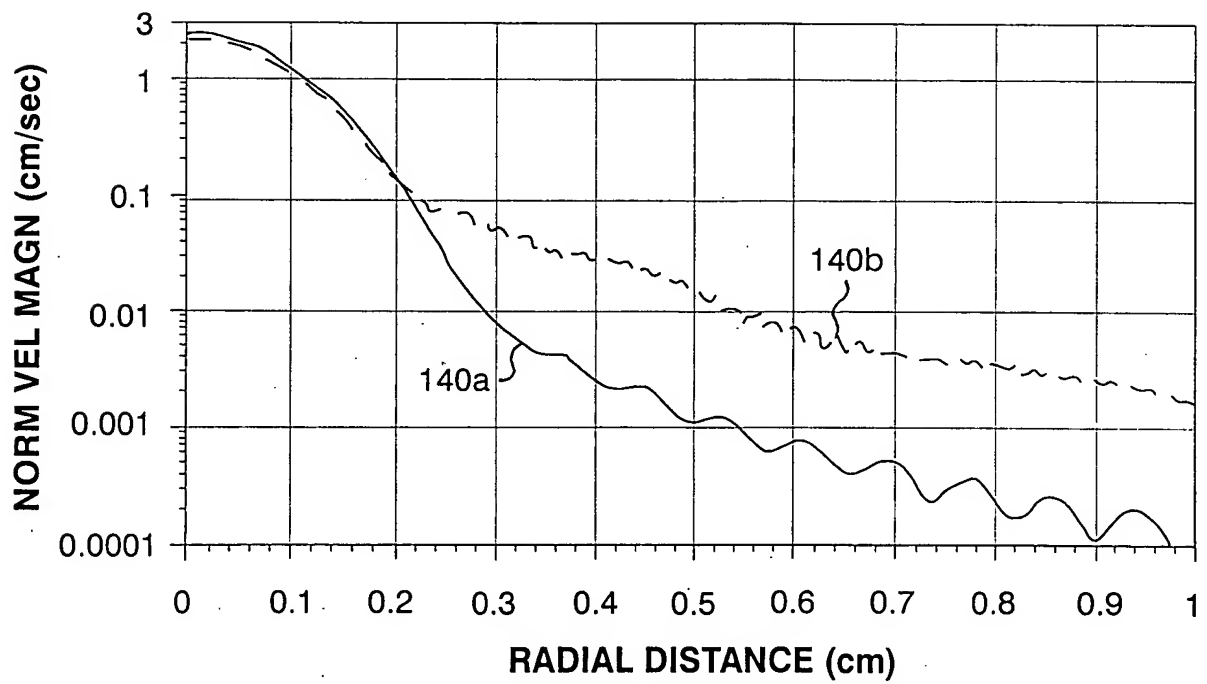


Figure 12d

13/23

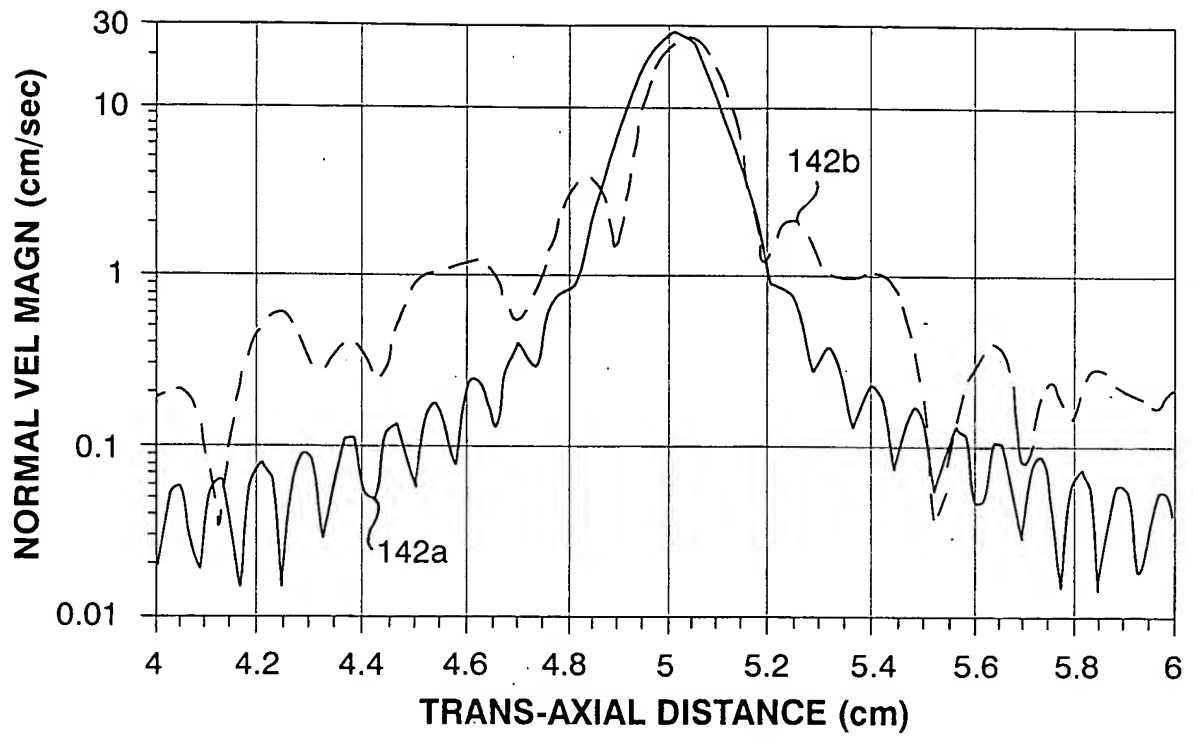


Figure 12e

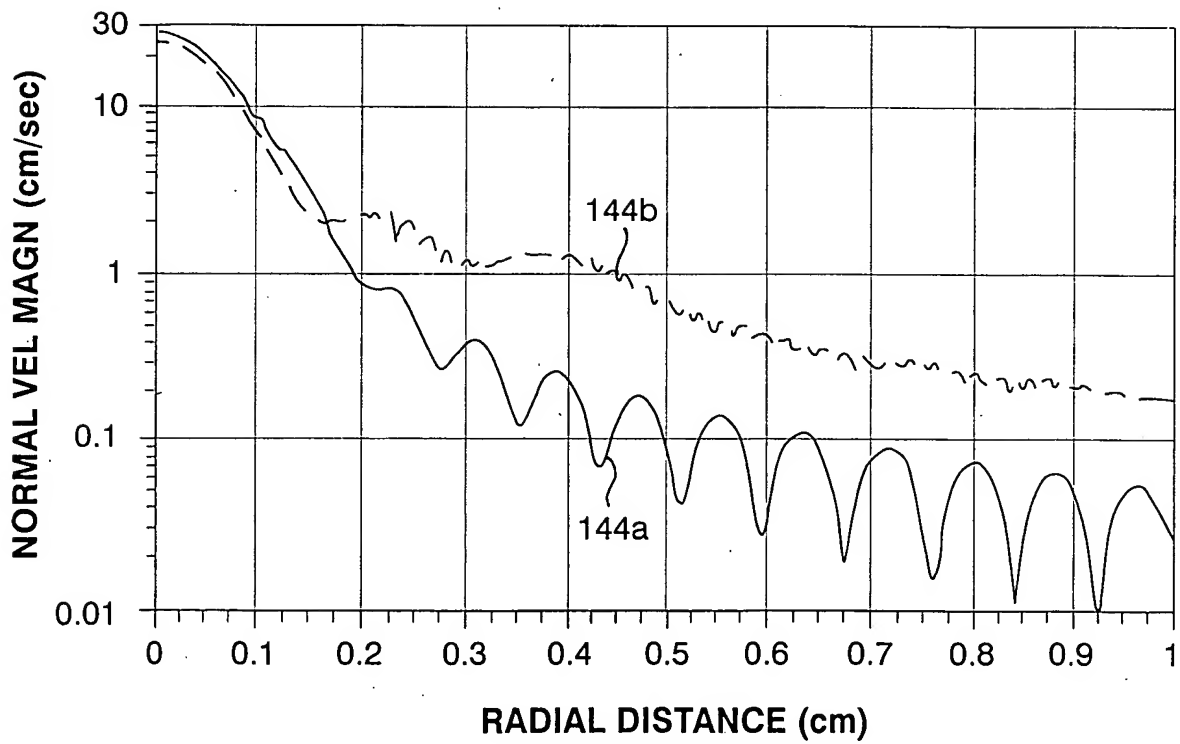


Figure 12f

14/23

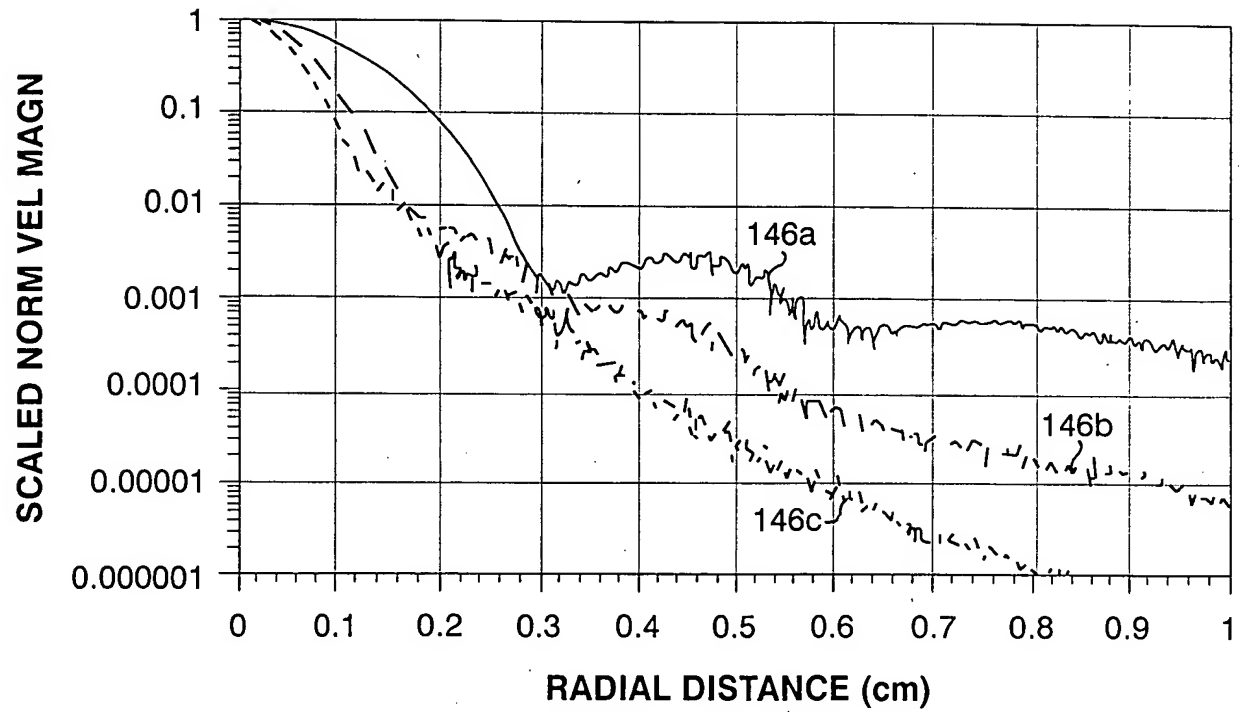


Figure 13a

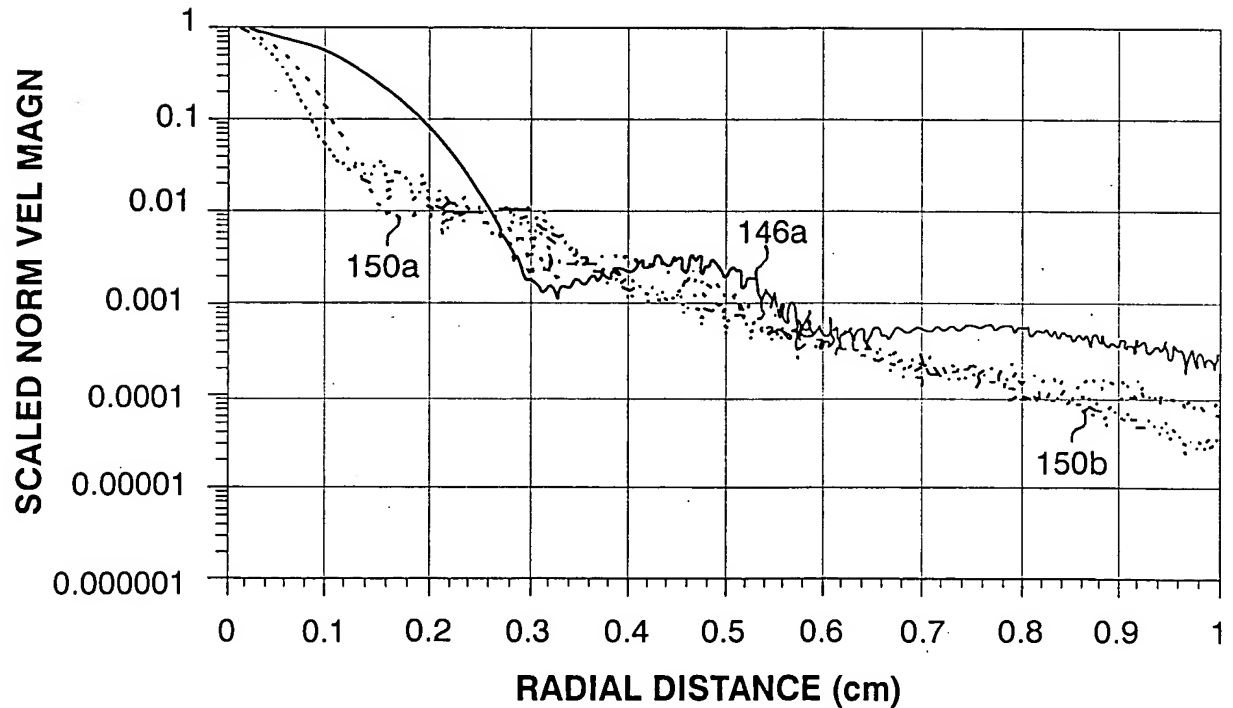


Figure 13b

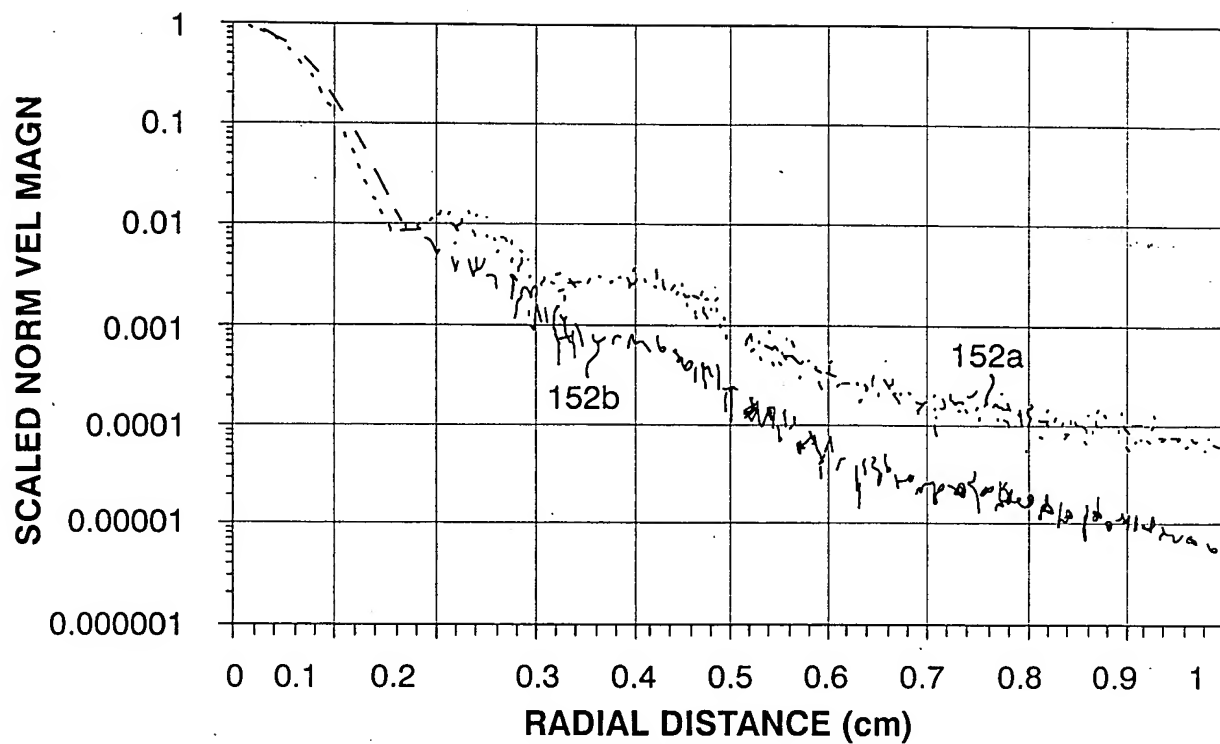


Figure 13c

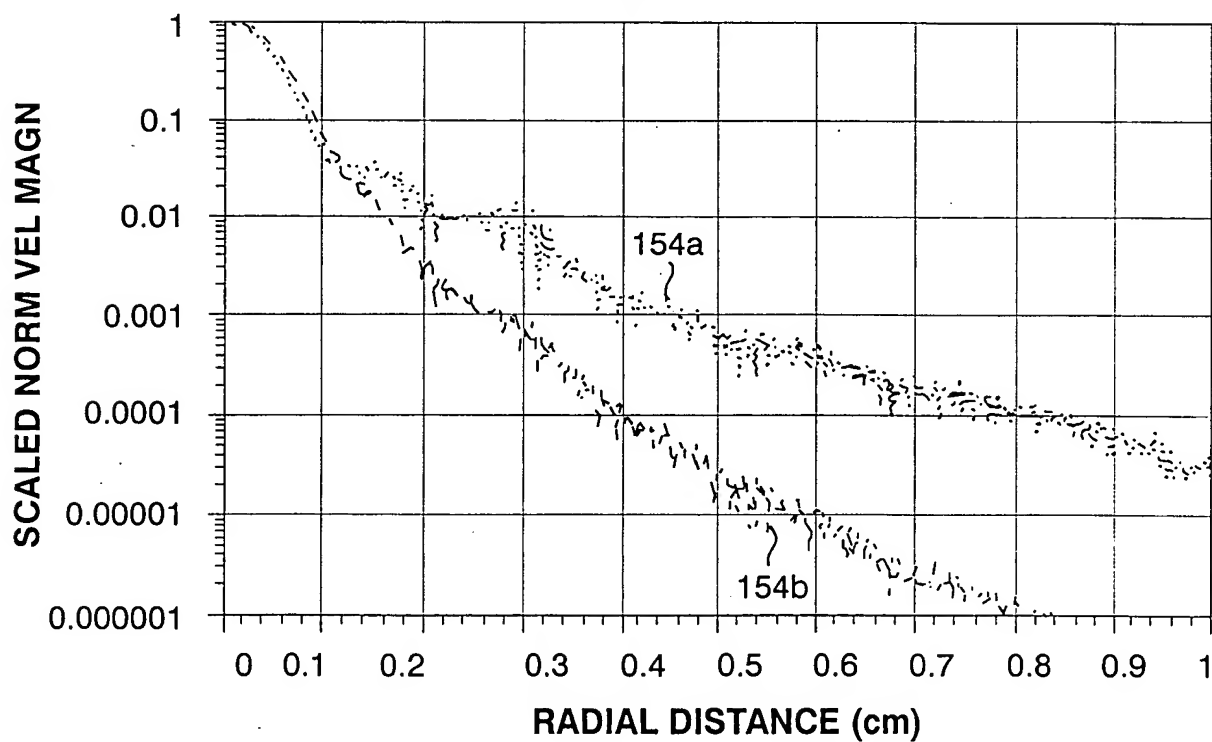


Figure 13d

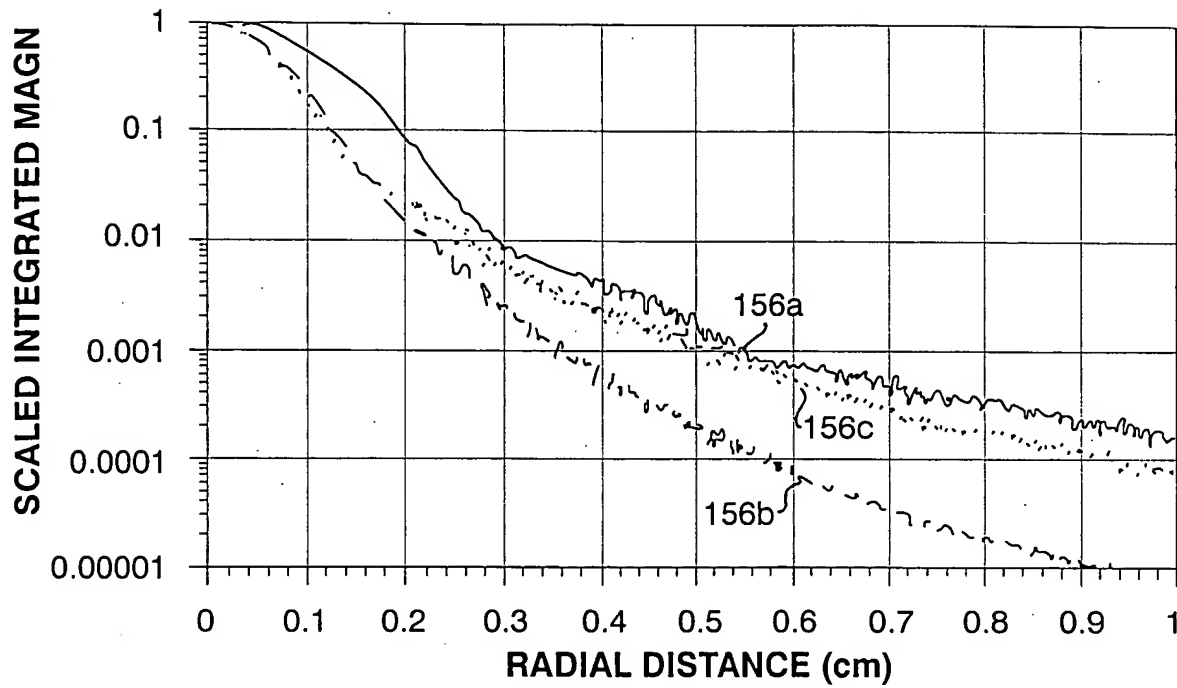


Figure 14a

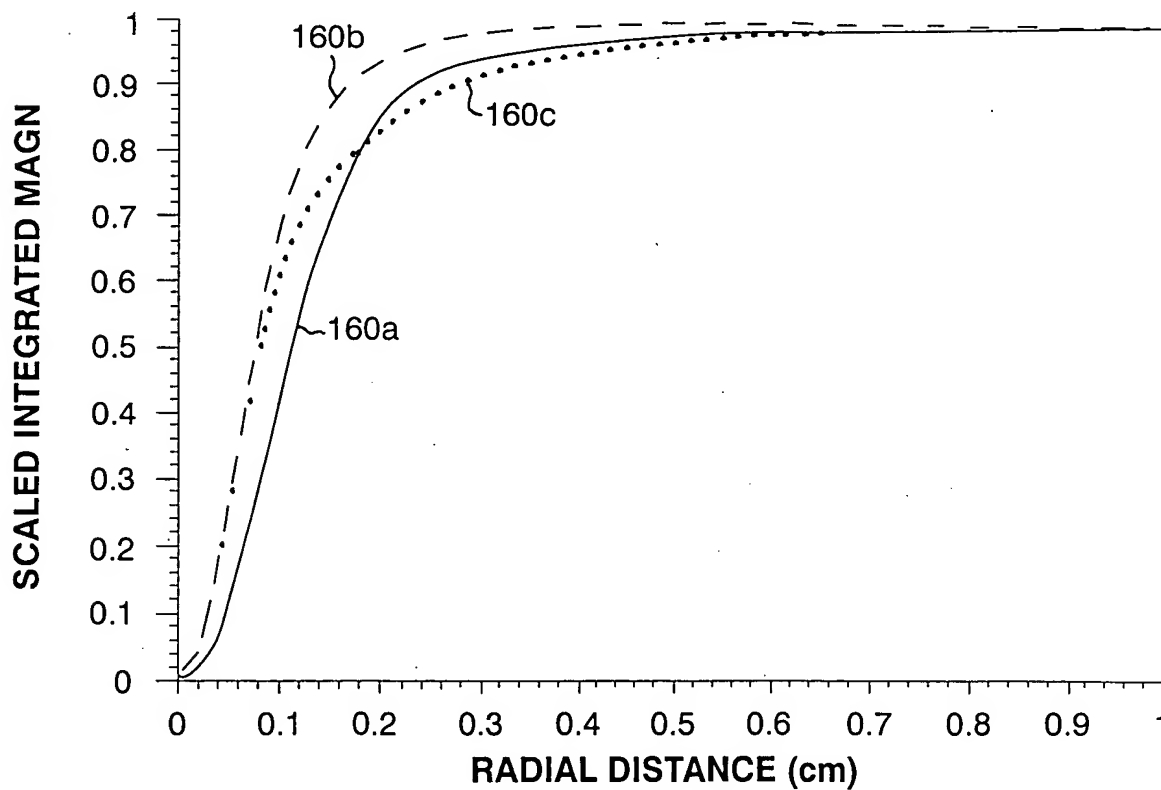


Figure 14b



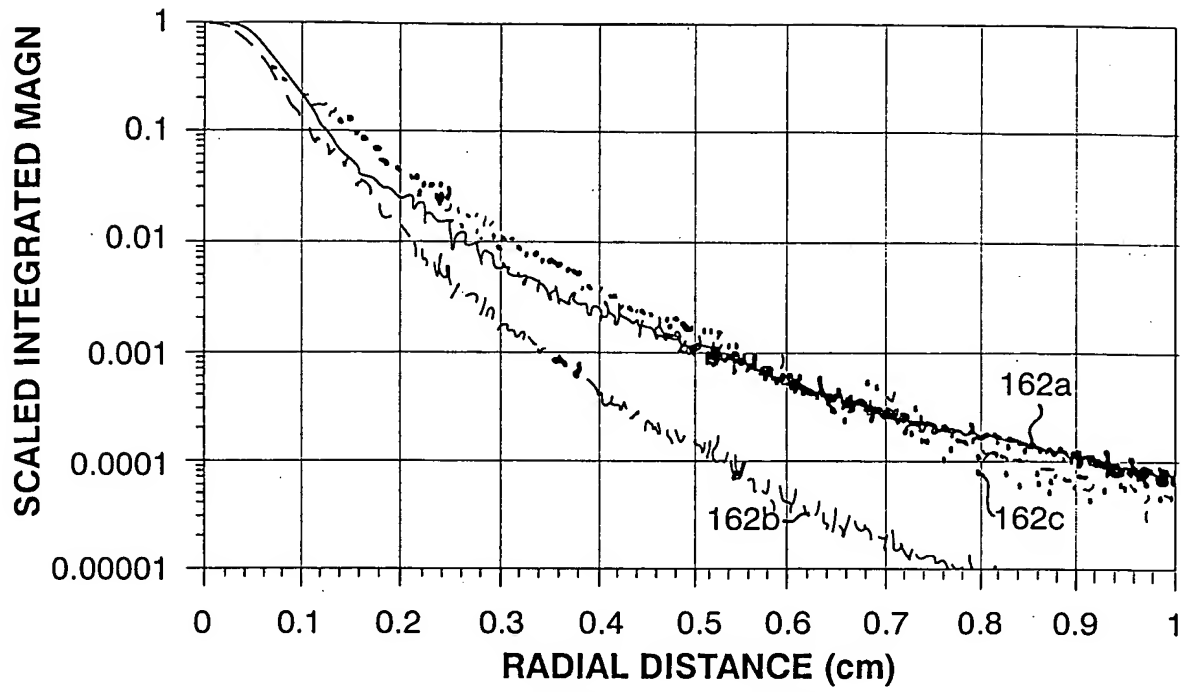


Figure 15a

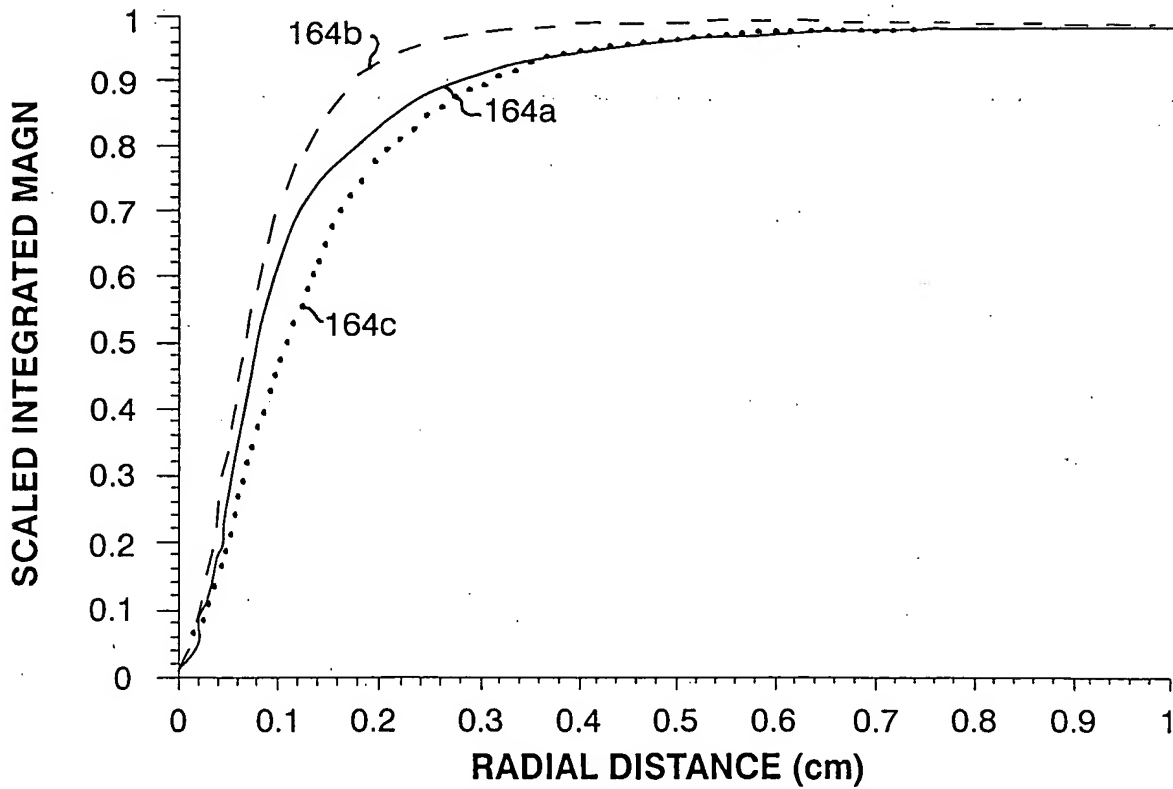


Figure 15b

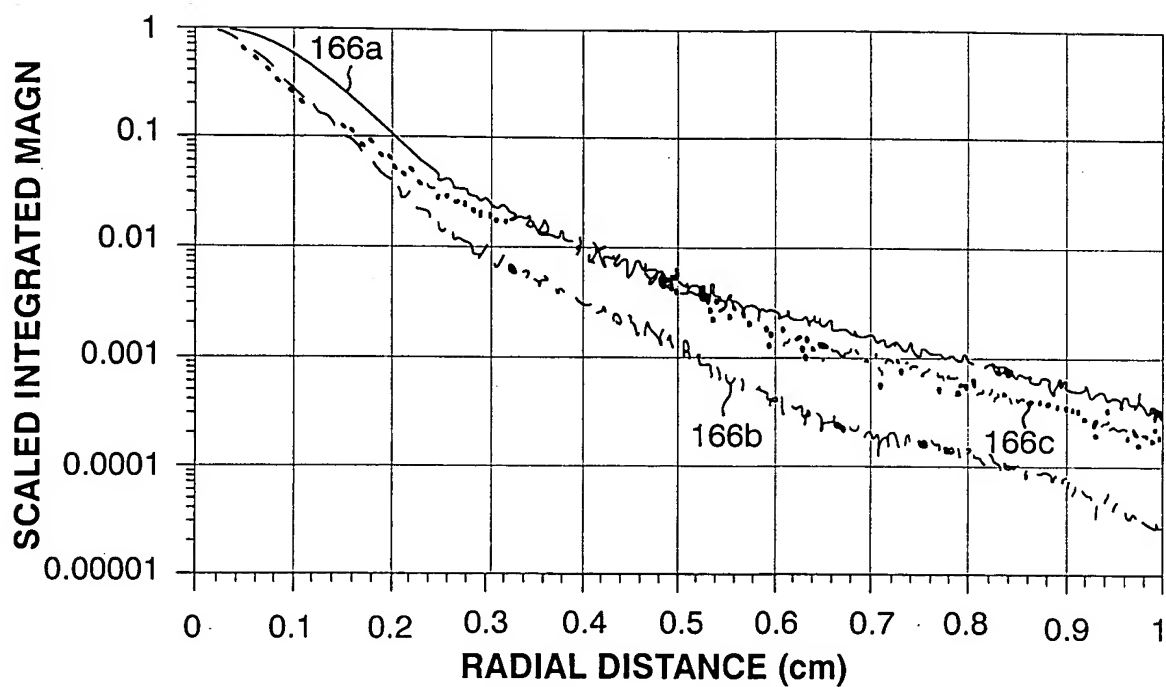


Figure 16a

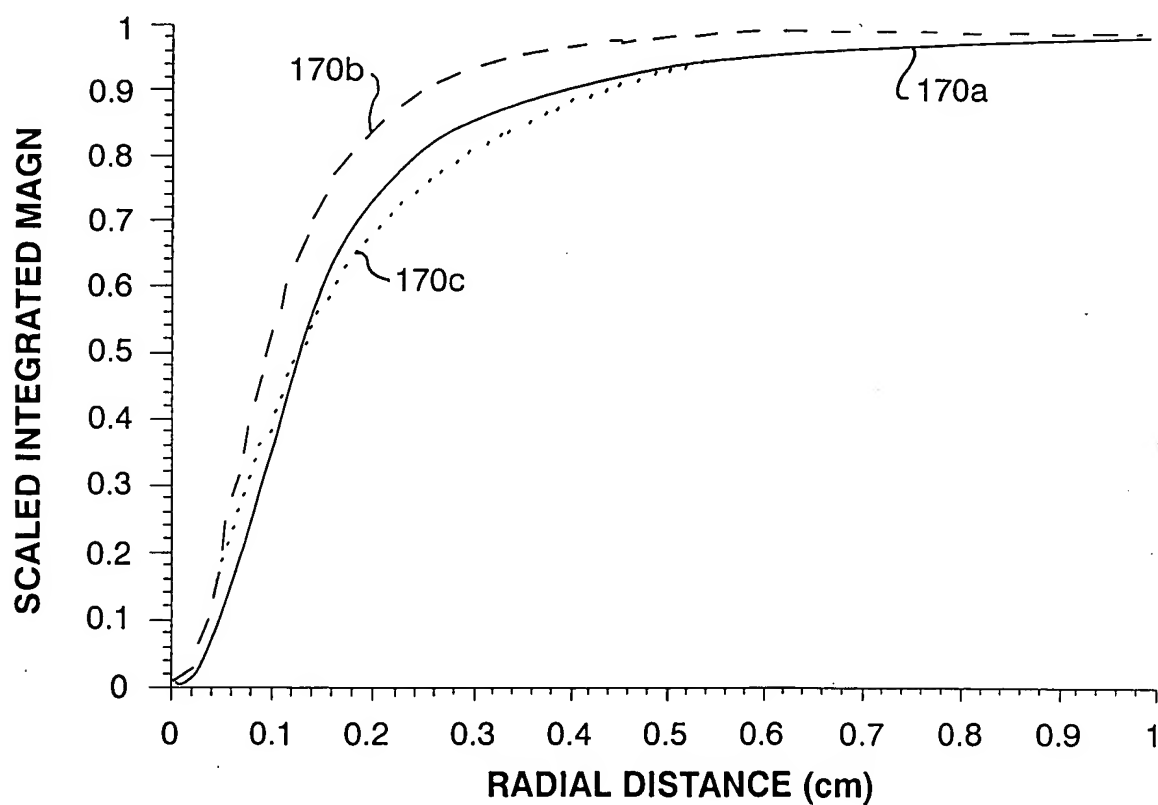


Figure 16b

Frequency / Medium	-20 dB full-width(cm)	0.9 Integrated full-width (cm)
2 MHz / ab wall	0.388	0.458
4 MHz / ab wall	0.242	0.542
2 <sup>nd</sup> har 4 MHz / ab wall	0.258	0.332
8 MHz / ab wall	0.304	0.602
2 <sup>nd</sup> har 8 MHz / ab wall	0.216	0.338
2 MHz / ab wall	0.406	0.746
4 MHz / ab wall	0.334	0.858
2 <sup>nd</sup> har 4 MHz / ab wall	0.308	0.504
8 MHz / ab wall	0.462	0.880
2 <sup>nd</sup> har 8 MHz / ab wall	0.298	0.526

Figure 17

20/23

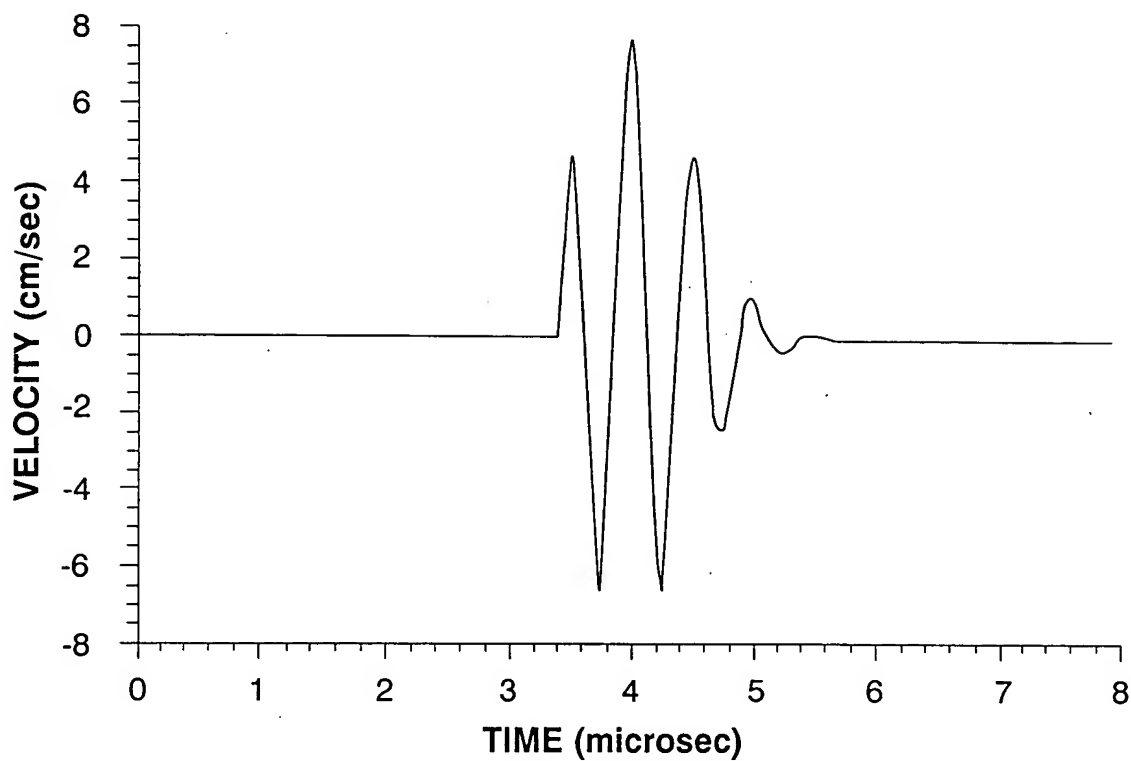


Figure 18a

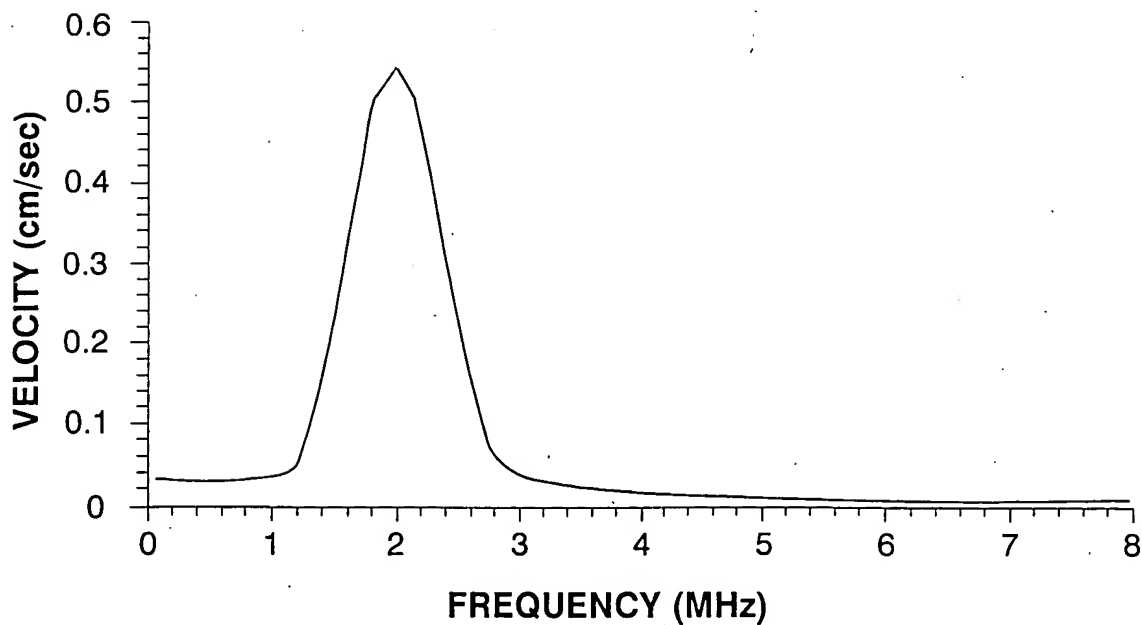


Figure 18b

21/23

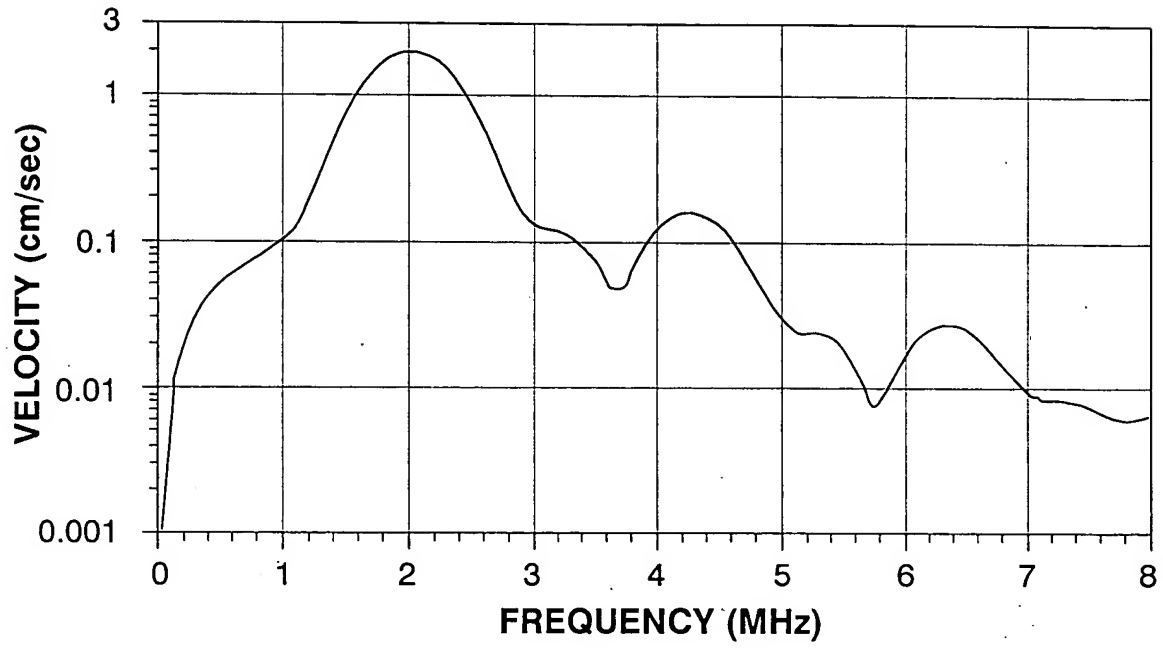


Figure 18c

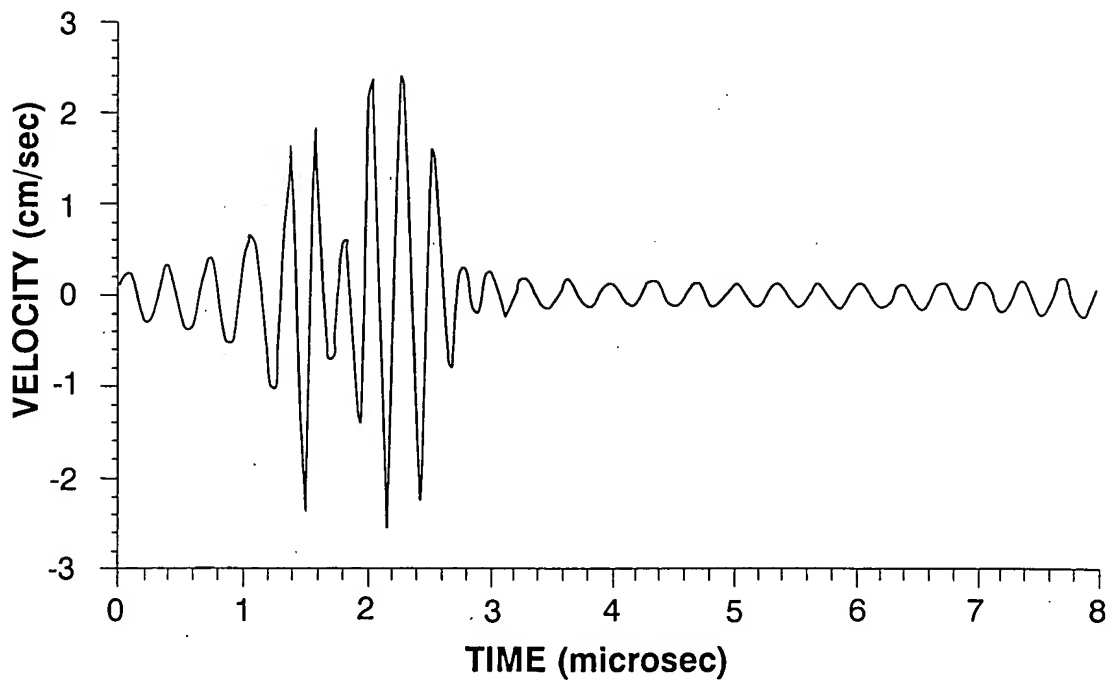


Figure 18d

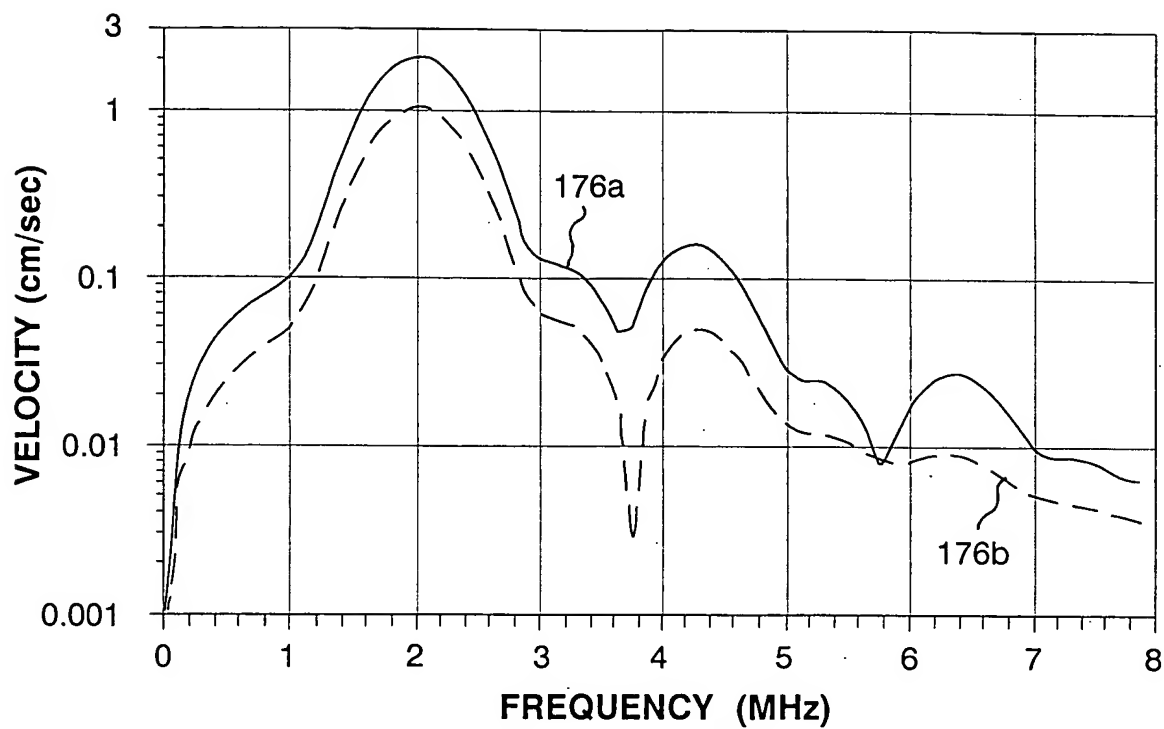


Figure 19a

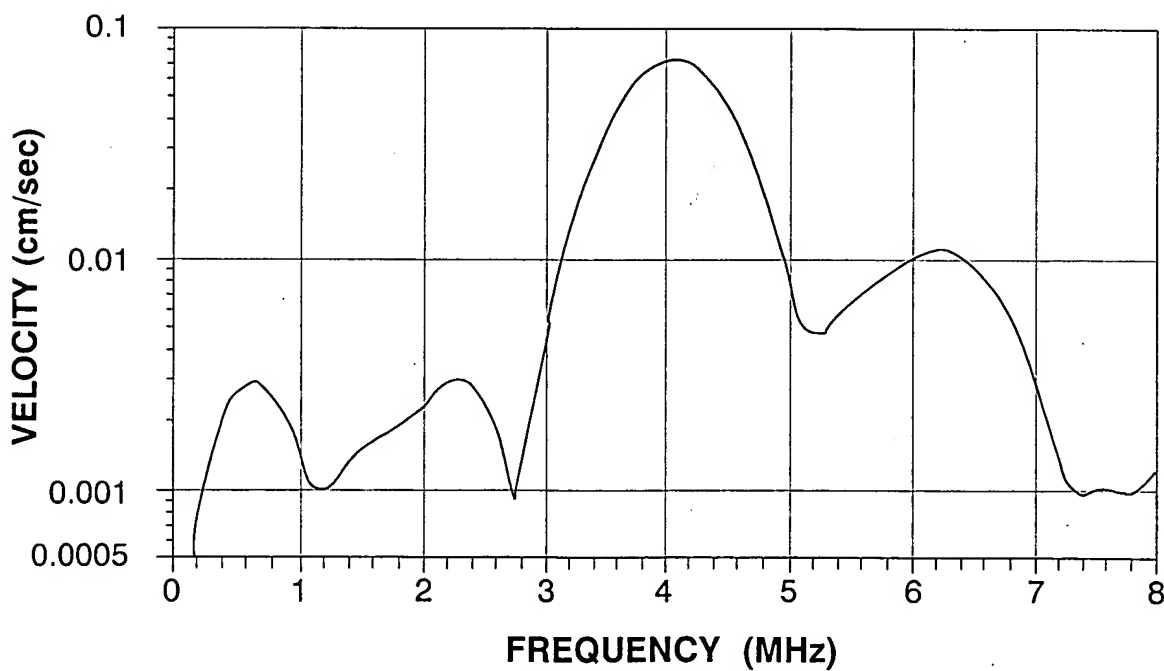


Figure 19b

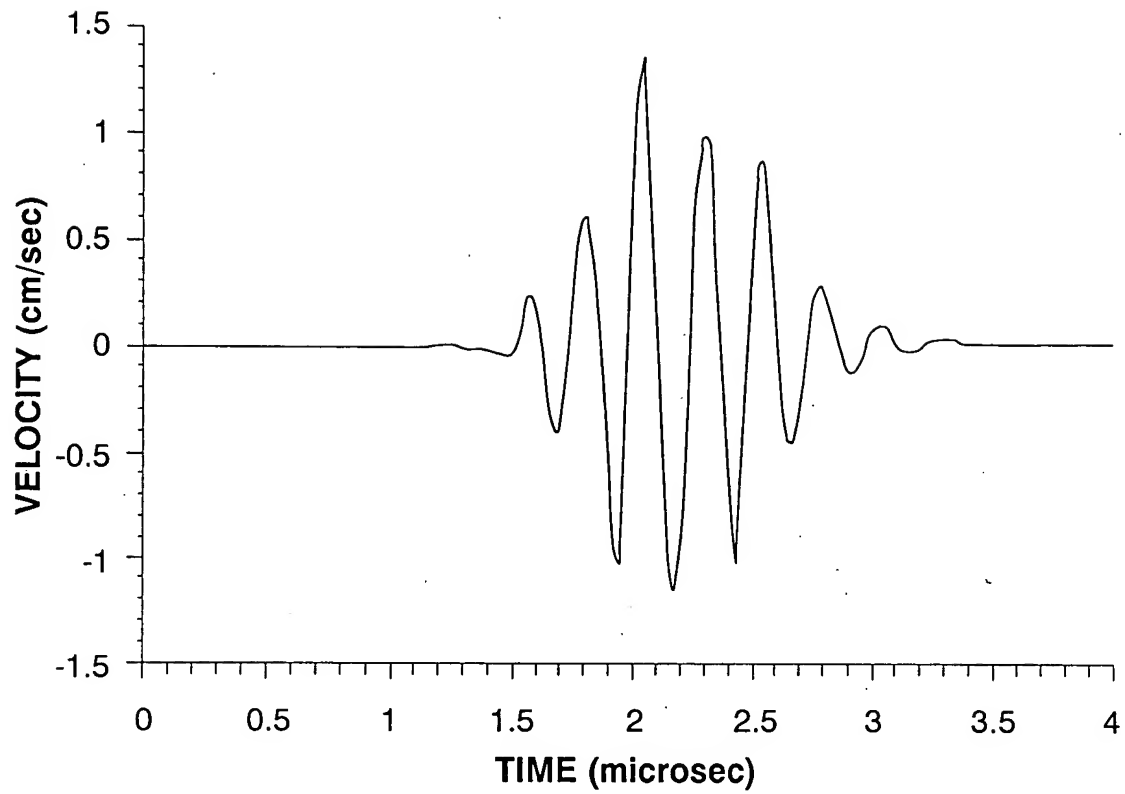


Figure 19c